

Results of Analyses  
Wastewater Spill Monitoring –  
Beachwalk SPS Spill (Shoreline Stations)  
May 12, 2006

Samples collected Thursday, May 11, 2006 (49<sup>th</sup> day):  
Spill reported on March 24, 2006.  
NPDES Permit No. HI 0020117.

<u>Station</u>	<u>Collection Time</u>	<u>Bacterial Counts / 100 mL</u>			<u>Salinity</u>
		<u>Fecal Coliform<sup>iv</sup></u>	<u>Enterococci<sup>v</sup></u>	<u>C. perfringens<sup>vi</sup></u>	
Magic Island Finger	7:29 A.M.	14	4	2	33.1
Ala Moana Canoe Launch Ramp	7:38 A.M.	70	51	38	27.7
Magic Island Lagoon	7:34 A.M.	< 1	< 1	3	34.1
Ala Wai Harbor Boat Launch Ramp	7:44 A.M.	220	150	8	27.6
Hilton Lagoon	7:50 A.M.	1	< 1	2	34.1
Hale Koa Hotel	8:04 A.M.	Est. 81	20	3	33.9
Halekulani-Sheraton	8:16 A.M.	54	5	< 1	34.3
Moana Hotel	8:28 A.M.	1	< 1	< 1	34.4
Kapahulu Groin	8:35 A.M.	15	8	< 1	33.4
Queen's Surf Beach	8:43 A.M.	1	< 1	< 1	34.4
Natatorium	8:55 A.M.	< 1	9	< 1	34.4

Weather: Mostly cloudy

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Date St.Bridge- Upstream	9:33 A.M.	Est. 6,200	Est. 4,400	Est. 220	< 0.1
Seaside Ave.- Upstream	9:05 A.M.	480	310	35	29.0
Kaiolu St.-Spill site	9:08 A.M.	Est. 3,800	1,900	100	10.0
McCully St. Bridge.	9:17 A.M.	180	60	24	15.2
Ala Moana Blvd. Bridge	9:24 A.M.	Est. 1,700	510	48	20.1

Weather: Mostly cloudy

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<sup>4</sup> APHA, AWWA, WEF, Standard Methods for the Examination of Water and Wastewater, 18<sup>th</sup> Edition, 1992, Membrane Filter Method for Fecal Coliform.

<sup>5</sup> Improved Enumeration Methods for the Recreational Water Quality Indicators: Enterococci and *Escherichia coli*, EPA/821/R-97/004, March 2000, Membrane Filter Method 1600 for Enterococci.

<sup>6</sup> Bisson, J.W., Cabelli, V.J., "Membrane Filter Enumeration Method for *Clostridium perfringens*," Applied and Environmental Microbiology, Jan 1978; Armon, R., Payment, P., "A Modified mCP Medium for Enumerating *C. perfringens* from Water Samples," Canadian Journal of Microbiology, 1988.